

JAPAN ABSTRACT  
JP 07217573

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TI Coolant pump for air-conditioning - has bearing structure moulded with polyimide system resin material over its sliding surface.

DC Q56 X25 X27

PA (HITA) HITACHI LTD

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The coolant pump has a pump driven by an electric motor (13). The bearing structure is moulded with the polyimide system resin moulding material over the sliding surface of the pump shank and electric shank. The polyimide system smoothes the sliding action of the bearing structure. The coolant is pumped through passage holes (28-30), hence cooling the building.

**ADVANTAGE** - Improves life of bearing part by reducing any friction existing during its sliding. Avoids using lubricant for easy sliding action.

Dwg. 1/5

IC F04C029-04

MC EPI: X25-L03A; X27-E01B